

Date: May 17, 1971

Reply to  
Attn of: FSB - DOC

Subject: Compliance Test for Despatch Oven Model 500 Incinerator Unit

To: Applicable Federal Agencies

1. We have received a report prepared by an independent testing concern on the compliance test of the Despatch Oven Company, model 500 Des-Inerator manufactured by:

Despatch Oven Company  
619 S.E. Eighth Street  
Minneapolis, Minnesota 55414

2. The test results showed that the incinerator unit (includes gas washers, remote loading hopper and controls) met the emission standards in the Code of Federal Regulations (Title 42 CFR part 76) while burning Public Health Service type waste (similar to Type 1 waste) at a rate of 360 pounds per hour. The primary chamber was preheated to 1200 degrees F., and the secondary chamber was preheated to 1450 degrees F.

3. The test results also showed that the same incinerator when preheated to 1600 degrees F. in the primary chamber and 2000 degrees F. in the secondary chamber met the subject standards while burning pathological waste (Type 4 waste) at a rate of 150 pounds per hour.

4. Based on the test performance of the unit while burning Public Health Service type waste it is believed the incinerator can burn Type 0 waste at the rate of 250 lbs. per hour and Type 2 waste at 500 lbs. per hour and meet the Federal emission standards.

*Frederick Winkler*  
(1088)

Frederick Winkler  
Mechanical Engineer, P.E.  
Federal Sources Branch